#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Brod, S. § ART UNIT: 1761

FILED: October 8, 1997 §

§ EXAMINER: SERIAL NO.: 08/946,710 § Sayala, C.

§ DOCKET DELICE

FOR: Methods of Treating § DOCKET: D5716CIP4

Autoimmune Diseases Using §
Type One Interferons §

Assistant Commissioner of Patents

**BOX AF** 

Washington, D.C. 20231

# COMPLIANCE OF REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Dear Sir:

Applicant provides a computer readable form of the Sequence Listing on the enclosed 3.5 inch disk and a paper copy thereof for the above-referenced application. The disk is a 1.44 mb Macintosh-formatted disk. The file is stored as D5716CIP4/SEQ in text format. I hereby state that the content of the paper copy of the Sequence Listing filed as part of the above-captioned application and the enclosed computer readable copy of the Sequence Listing are the same.

Respectfully submitted,

Date: 14 79/1999

Berjamin Aaron Adler, Ph.D.,J.D.

Counsel for Applicant Registration No. 35,423

McGREGOR & ADLER, LLP 8011 Candle Lane Houston, Texas 77071 (713) 777-2321

BAADLER@flash.net



RAW SEQUENCE LISTING PLICATION US/08/946,710

DATE: 10/02/98 TIME: 09:06:53

Input Set: H946710.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply Corrected Diskette Needed

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- <120> Methods of Treating Auto-Immune Diseases Using Type One Interferons
- <130> D5716CIP4
- <140> US/08/946,710
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Sequence Listing to ensure that a corresponding explanation is presented in the "Other Information" element of each sequence which presents at least one n or Xaa.

#### RAW SEQUENCE LISTING

PATENT APPLICATION US/08/946,710

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#### VERIFICATION SUMMAR PATENT APPLICATION US/08/946,710

DATE: 10/02/98 TIME: 09:06:53

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113 W Invalid/Missing Amino Acid Numbering

### VERIFICATION SUMMA PATENT APPLICATION US/08/946,710

DATE: 10/02/98 TIME: 09:06:53

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Line	?	Error/Warning	original text
114	E	Wrong Nucleic Acid Designator	_1997_)f*
115	W	Invalid/Missing Amino Acid Numbering	
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		Wrong Amino Acid Designator	QL_I_S_TH_e_i_d_iS_t_r_u_s_e_8_H_
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# VERIFICATION SUMMAIN PATENT APPLICATION US/08/946,710

DATE: 10/02/98 TIME: 09:06:53

Line	?	Error/Warning	Original Text
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		Wrong Amino Acid Designator	S: HEIDI'S FILES: 5716
		Wrong Amino Acid Designator	S: HEIDI'S FILES: 5716
		Wrong Amino Acid Designator	S: H E I D I 'S F I L E S: 5716
		Wrong Amino Acid Designator	S: H E I D I 'S F I L E S: 5716
		Wrong Amino Acid Designator	S: H E I D I 'S F I L E S: 5716
		Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	I P 2 / C P A : 5 7 1 6 C I P 3 / C P A /
		Wrong Amino Acid Designator	I P 2 / C P A : 5 7 1 6 C I P 3 / C P A /
		Wrong Amino Acid Designator	I P 2 / C P A : 5 7 1 6 C I P 3 / C P A /
		Wrong Amino Acid Designator	I_P_2_/_C_P_A : 5_7_1_6_C_I_P_3_/_C_P_A_/
		Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	ew/SEQ_LIST_Heidi_St_r
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146	E	Wrong Nucleic Acid Designator	_5_7_1_6_C_I_P_4_:_5_7_1_6_C_I_P_4_/_n_e_
146	E	Wrong Nucleic Acid Designator	_5_7_1_6_C_I_P_4_:_5_7_1_6_C_I_P_4_/_n_e_
146	E	Wrong Nucleic Acid Designator	_5_7_1_6_C_I_P_4_:_5_7_1_6_C_I_P_4_/_n_e_
		Wrong Nucleic Acid Designator	_5_7_1_6_C_I_P_4_:_5_7_1_6_C_I_P_4_/_n_e_
147	W	Invalid/Missing Amino Acid Numbering	
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150	E	Wrong Amino Acid Designator	C_o_u_r_i_e_r3
		Wrong Amino Acid Designator	Courier_3
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		Wrong Amino Acid Designator	PowerMac_User_Heidi_S
		Wrong Amino Acid Designator	PowerMac_User_Heidi_S
158	E	Wrong Amino Acid Designator	P_o_w_e_r_M_a_cU_s_e_r_H_e_i_d_is

### VERIFICATION SUMMA DATE: 10/02/98 PATENT APPLICATION US/08/946,710 TIME: 09:06:53

Line	?	Error/Warning	Original Text
159	- W	Invalid/Missing Amino Acid Numbering	·
		Wrong Amino Acid Designator	HelperfingerHelperftp
161	W	Invalid/Missing Amino Acid Numbering	
162	E	Wrong Amino Acid Designator	Helpergopher_HelperhttpHelperhttps
163	W	Invalid/Missing Amino Acid Numbering	_
		Wrong Amino Acid Designator	Helpermailto Helpernetphone_Helpernews_He
		Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	Helpertelnet
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		Wrong Amino Acid Designator	Heidi StruseN2_idMi
178	E	Wrong Amino Acid Designator	Heidi StruseN2_idMi
178	E	Wrong Amino Acid Designator	Heidi StruseN2_idMi
178	E	Wrong Amino Acid Designator	Heidi StruseN2_idMi
178	E	Wrong Amino Acid Designator	Heidi StruseN2_idMi
179	W	Invalid/Missing Amino Acid Numbering	
180	E	Wrong Amino Acid Designator	
181	W	Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	
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197	W	Invalid/Missing Amino Acid Numbering	

### VERIFICATION SUMMA PATENT APPLICATION US/08/946,710

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Line	?	Error/Warning	Original Text
198	E	Wrong Amino Acid Designator	
		Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	
		Invalid/Missing Amino Acid Numbering	
202	E	Wrong Amino Acid Designator	
203	W	Invalid/Missing Amino Acid Numbering	
204	E	Wrong Amino Acid Designator	
		Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	
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		Wrong Amino Acid Designator	(1) INFORMATION FOR SEQ ID NO: 1
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		Wrong Amino Acid Designator	(1) INFORMATION FOR SEQ ID NO: 1
		Invalid/Missing Amino Acid Numbering	
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		Wrong Amino Acid Designator	
225	W	Invalid/Missing Amino Acid Numbering	
226	E	Wrong Amino Acid Designator	
227	W	Invalid/Missing Amino Acid Numbering	
		Wrong Amino Acid Designator	
		Invalid/Missing Amino Acid Numbering	
230	E	Wrong Amino Acid Designator	
231	W	Invalid/Missing Amino Acid Numbering	
232	E	Wrong Amino Acid Designator	
233	W	Invalid/Missing Amino Acid Numbering	

VERIFICATION SUMMA PATENT APPLICATION US/08/946,710 TIME: 09:06:53

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234 E Wrong Amino Acid Designator 235 W Invalid/Missing Amino Acid Numbering 236 E Wrong Amino Acid Designator 237 W Invalid/Missing Amino Acid Numbering 238 E Wrong Amino Acid Designator 239 W Invalid/Missing Amino Acid Numbering 240 E Wrong Amino Acid Designator 241 W Invalid/Missing Amino Acid Numbering 242 E Wrong Amino Acid Designator 243 W Invalid/Missing Amino Acid Numbering 244 E Wrong Amino Acid Designator 245 W Invalid/Missing Amino Acid Numbering 246 E Wrong Amino Acid Designator 247 W Invalid/Missing Amino Acid Numbering 250 E Wrong Amino Acid Designator 251 W Invalid/Missing Amino Acid Numbering 252 E Wrong Amino Acid Designator 253 W Invalid/Missing Amino Acid Numbering 254 E Wrong Amino Acid Designator 255 W Invalid/Missing Amino Acid Numbering 256 E Wrong Amino Acid Designator 257 W Invalid/Missing Amino Acid Numbering 258 E Wrong Amino Acid Designator 259 W Invalid/Missing Amino Acid Numbering 260 E Wrong Amino Acid Designator 260 E Wrong Amino Acid Designator 260 E Wrong Amino Acid Designator 261 W Invalid/Missing Amino Acid Numbering 262 E Wrong Amino Acid Designator 263 W Invalid/Missing Amino Acid Numbering 264 E Wrong Amino Acid Designator 265 E Wrong Amino Acid Designator 266 E Wrong Amino Acid Designator 267 W Invalid/Missing Amino Acid Numbering 268 E Wrong Amino Acid Designator 269 W Invalid/Missing Amino Acid Numbering 260 E Wrong Amino Acid Designator 260 E Wrong Mino Acid Designator 260 E Wrong Nucleic Acid Designator 261 W Invalid/Missing Amino Acid Numbering 262 E Wrong Mino Acid Designator 263 W Invalid/Missing Amino Acid Numbering 264 E Wrong Amino Acid Designator 275 W Invalid/Missing Amino Acid Numbering 276 E Wrong Mino Acid Designator 277 W Invalid/Missing Amino Acid Numbering 278 E Wrong Amino Acid Designator 279 E Wrong Amino Acid Designator 270 E Wrong Amino Acid Designator 271 W Invalid/Missing Amino Acid Numbering 272 E Wrong Amino Acid Designator 273 W Invalid/Missing Amino Acid Numbering 274 E Wrong Amino Acid Designator 275 W Invalid/Missing Amino Acid Numbering 276	Line	?	Error/Warning	Original Text
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# VERIFICATION SUMMAPATENT APPLICATION US/08/946,710

DATE: 10/02/98 TIME: 09:06:53

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278	- E	Wrong Amino Acid Designator		_
		Invalid/Missing Amino Acid Numbering		
280	E	Wrong Amino Acid Designator	F	M
		Wrong Amino Acid Designator	F	M
		Wrong Amino Acid Designator	F	М
		Wrong Amino Acid Designator	F	М
		Invalid/Missing Amino Acid Numbering		
282	E	Wrong Amino Acid Designator		
		Invalid/Missing Amino Acid Numbering		
		Wrong Amino Acid Designator		